

Rubrics for Robotics Explorations Assessment

	(4) Advanced - A	(3) Proficient - B	(2) Basic - C	(1) Below Basic - D or E
Build/ Program Test Robot	<ul style="list-style-type: none"> Robot is built accurately with no mistakes Robot is programmed accurately with no errors 	<ul style="list-style-type: none"> Robot is built with few mistakes Robot is programmed with few errors 	<ul style="list-style-type: none"> Robot is built with some mistakes Robot is programmed with some errors 	<ul style="list-style-type: none"> Robot is built with some mistakes Robot is programmed with some errors Robot is built with many mistakes Robot is programmed with many errors
Data Analysis/ Scientific Method	<ul style="list-style-type: none"> Make reasonable predictions based on prior knowledge Correctly gather and record all data Accurately construct a bar graph illustrating results 	<ul style="list-style-type: none"> Make predictions based on prior knowledge Correctly gather and record most data Construct a bar graph illustrating results with few errors 	<ul style="list-style-type: none"> Predictions are irrational and not based on prior knowledge Correctly gather and record some data Construct a bar graph illustrating results with some errors 	<ul style="list-style-type: none"> No predictions made Data is not gathered or recorded correctly Bar graph is inaccurate
Writing an Analytical Paragraph	<p>Paragraph includes:</p> <ul style="list-style-type: none"> A topic statement accurately presenting information on probability. A detailed explanation of how the results of the trial compare with probability calculations. A concluding statement thoroughly summarizing results of the experiment. 	<p>Paragraph includes:</p> <ul style="list-style-type: none"> A topic statement accurately presenting information on probability. An explanation of how the results of the trial compare with probability calculations. A concluding statement summarizing results of the experiment. 	<p>Paragraph includes:</p> <ul style="list-style-type: none"> A topic statement presenting some information on probability. Some explanation of how the results of the trial compare with probability calculations. A concluding statement summarizing some results of the experiment. 	<p>Paragraph includes:</p> <ul style="list-style-type: none"> A topic statement that does not present information on probability. Little explanation of how the results of the trial compare with probability calculations. A concluding statement that does not summarize results of the experiment.